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- [57]
- ABSTRACT**

- A device (10) adding apparatus as a keyboard input to a handheld computer (12) lacking such input (such as pen computers and personal digital assistants) includes a keyboard (11) and a planar motion pivot mechanism (30). Planar motion pivot mechanism (30) includes a body (31) formed as a boot that encloses an end of the handheld computer (12), and a pivot pin (32). The user simply rotates keyboard (11) from a nonoperational position substantially covering the handheld computer display (14), to an operational position at substantially a right angle to the display (14).

- ### Related U.S. Application Data

- [58] **Field of Search** 361/680, 681,
361/682, 724, 679, 683, 725, 727; 364/708.1;
400/88, 682; G06F 1/16

- U.S. PATENT DOCUMENTS

- 7 Claims, 2 Drawing Sheets**

